

Notice of Allowability

Application No.

09/750,489

Applicant(s)

YAUNG, ALAN T.

Examiner

Art Unit

VAN H. NGUYEN

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendments and supporting arguments filed 02/28/2007.
2. ☒ The allowed claim(s) is/are 1-27, 39, 43, and 44 (now renumbered as 1-30).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____

DETAILED ACTION

1. This communication is responsive to the Amendments filed 02/28/2007.

Claims 1-27, 39, 43, and 44 are pending in this application. With this Examiner's amendment: claims 1, 10, 19, and 43 have been amended; claims 28-35, 37, 38, 41, 42, and 45 have been cancelled.

2. **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview With Nataliya Dvorson (Reg. No. 56, 616) on 05/14/2007.

The application has been amended as follows:

In the Claims:

- (a) All previous copies of claims 1, 10, 19, and 43 have been replaced with the following clean copy of claims 1, 10, 19, and 43 as amended by the Examiner's amendment:**

Claim 1. A method for communication between a first computer and a second computer, each of which is connected to a server computer, the method comprising:

- under control of a first client application at the first computer,
 - creating a message, wherein the message comprises at least one out of a group of: an event notification with zero text and zero content identifiers, a text message, and a content identifier; and
 - putting the message into a message queue; and
- under control of a second client application at the second computer,
 - retrieving the message from the message queue;
 - wherein the first computer, the second computer, and the server computer form part of a federated content management system and wherein the federated content management system further comprises heterogeneous servers connected to the server computer;

wherein the heterogeneous servers are connected to heterogeneous datastores forming part of the federated content management system and wherein the heterogeneous datastores store multimedia data and are combined into a consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by the first computer searching for a specified content in the multimedia data of the heterogeneous datastores.

Claim 10. An apparatus for communication between computers, comprising:

a first computer connected to a server computer;

a second computer connected to the first computer and to the server computer in a datastore management system; and

one or more computer programs, performed by the first and second computers, for:

. under control of a first client application at the first computer,

creating a message, wherein the message comprises at least one out of a group of: an event notification with zero text and zero content identifiers, text, and content identifier; and

putting the message into a message queue; and

under control of a second client application at the second computer, retrieving the message from the message queue,

wherein the first computer, the second computer, and the server computer form part of a federated content management system and wherein the federated content management system further comprises heterogeneous servers connected to the server computer;

wherein the heterogeneous servers are connected to heterogeneous datastores forming part of the federated content management system and wherein the heterogeneous datastores store multimedia data and are combined into a consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by the first computer searching for a specified content in the multimedia data of the heterogeneous datastores.

Claim 19. An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by the computer to perform method steps for communication between a first computer and a second computer, each of which is connected to a server computer, comprising:

under control of a first client application at the first computer,

creating a message, wherein the message comprises at least one out of the group of event notification with zero text and zero content identifiers, text, and content identifier; and

putting the message into a message queue; and

under control of a second client application at the second computer,
retrieving the message from the message queue,

wherein said first and second computers and said server are in a datastore
management system,

wherein the first computer, the second computer, and the server computer
form part of a federated content management system and wherein the federated
content management system further comprises heterogeneous servers connected
to the server computer;

wherein the heterogeneous servers are connected to heterogeneous
datastores forming part of the federated content management system and wherein
the heterogeneous datastores store multimedia data and are combined into a
consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by
the first computer searching for a specified content in the multimedia data of the
heterogeneous datastores.

Claim 43. The method according to claim 1, wherein the first application is a
browser on the first computer.

(b) Claims 28-35, 37, 38, 41, 42, and 45 have been cancelled.

3. **REASONS FOR ALLOWANCE:**

Claims 1-27, 39, 43, and 44 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in independent claims 1, 10, and 19.

The features as recited in independent claims 1, 10, and 19 "under control of a second client application at the second computer, retrieving the message from the message queue; wherein the first computer, the second computer, and the server computer form part of a federated content management system and wherein the federated content management system further comprises heterogeneous servers connected to the server computer; wherein the heterogeneous servers are connected to heterogeneous datastores forming part of the federated content management system and wherein the heterogeneous datastores store multimedia data and are combined into a consistent and unified conceptual view; and wherein the message comprises search results from a search executed by the first computer searching for a specified content in the multimedia data of the heterogeneous datastores", when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a method for communication between a first computer and a second computer in this specific environment, would have integrated or modified to teach the method for representing and searching multiple heterogeneous datastores and managing the results of such searches including the specific features as recited in the context of independent claims 1, 10, and 19.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. ADDITIONAL REFERENCES

The Examiner as of general interest cites the following references:

U.S. Pat. No. 7,007,275

U.S. Pat. No. 6,760,719

U.S. Pat. No. 6,697,835

U.S. Pat. No. 6,490,585

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

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